

Please	type a	plus	sign	(+)	inside	this	box	<b>→</b>	+
--------	--------	------	------	-----	--------	------	-----	----------	---

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute	for form 1449	A/PTO			Complete if Known				
INFORMATION DISCLOSURE				Application Number	09/981,414				
STATEMENT BY APPLICANT		Filing Date	October 17, 20	01 OIPE					
		First Named Inventor	Carmo Ribeiro						
			Group Art Unit	3745	6				
(use as many sheets as necessary)			s necessary)	Examiner Name		JAN 1 5 2002			
Sheet	6	of	8	Attorney Docket Number	3156/30140	9			
						G. (8)			

			ري.	
		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2	
The		ERICH WACKER and WILFRIED SANDER, Piston Design for High Combustion Pressures and Reduced Heat Rejection to Coolant, Karl Schmidt GmbH, 820505	JEI!	15-
		ERICH WACKER and WILFRIED SANDER, Piston Design for High Combustion Pressures and Reduced Heat ( Rejection to Coolant, Karl Schmidt GmbH, 820505  JAN TECHNOLOGY	2 5 21	
		ONNOLOGY	CENTER	R270
		•		113700
				•

Examiner Signature	Hanul hore	Date Considered	8//	14/02	
_			<del></del>	<del></del>	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

#4

PTO/SB/08A (08-00)

Approved is use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known 09/981,414 Application Number INFORMATION DISCLOSURE October 17, 2001 Filing Date STATEMENT BY APPLICANT First Named Inventor Carmo Ribeiro et al **Group Art Unit** 3745 (use as many sheets as necessary) **Examiner Name** 3156/30140 Sheet of 8 Attorney Docket Number

			U.S. PATENT DOCUM	MENTS	
Examiner	Cite	U.S. Patent Document	Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant
Initials * No.1	Number Kind Code <sup>2</sup> (if known)	of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	
100	-	2,077,688	Gottlieb	4/20/37	Jan
1		2,442,408	Graham	6/1/48	IECHAL IN 2 5
		3,341,924	Clary et al	9/19/67	TANOLOGY CENT
		3,613,521	Itano	10/19/71	GY Co.
		3,654,840	Elliott	4/11/72	CENTER
		4,011,797	Cornet	3/15/77	
		4,364,159	Holcombe	12/21/82	
		4,532.686	Berchem	8/6/85	
		4.581.983	Moebus	4/15/86	
		4,635.596	Nakano et al	1/13/87	
		4,651,631	Avezou	3/24/87	
		4,662,047	Berchem	5/5/87	
		4,727,795	Murray et al	3/1/88	
		4,747,340	Schellmann et al	5/31/88	
		4,838,149	Donnison et al	6/13/89	
		4,910,093	Berchem et al	3/20/90	
		5,040,454	Ballheimer et al	8/20/91	
		5,136,992	Bregler et al	8/11/92	
		5,144,885	Suzuki et al	9/8/92	
4		5,562,074	Koch	10/8/96	

	FOREIGN PATENT DOCUMENTS									
Examiner Cite Initials* No.1		For	eign Patent D	ocument	Name of Patentee	Date of Publication of	Pages, Columns, Lines,			
	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> ( <i>if known</i> )	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Т <sub>6</sub>			
	ļ					<del> </del>				
	<u> </u>	<del>                                     </del>								
		<del> </del>								

		<i></i>	
Examiner Signature	Thanulpo	Date Considered	8/14/02

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark hee if English language Translation is attached.

Approved of use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE or respond to a collection of information unless it contains a valid OMB control number.

Substitut	te for form 1449A/PTC	)		Complete if Known				
				Application Number	09/981,414	OIPE		
INFO	<b>DRMATION</b>	DIS	CLOSURE	Filing Date	October 17, 2001/	ړ		
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Carmo Ribeiro et	al LAN -1 F coco		
				Group Art Unit	3745	JAN 1 3 ZUUZ		
	(use as many she	ets as	necessary)	Examiner Name	E E			
Sheet	5	of	8	Attorney Docket Number	3156/30140	G. 39		
	·	•	<u>'</u>	4 T		MADEMAN		

					ACC. PART
			U.S. PATENT DOCUM	MENTS	
Examiner Initials *	Cite No.1	Number Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Tak	ļ .	5,934,174	Abraham, Sr. et al	8/10/99	
		5,972,071	Koike et al	10/26/99	
		5,992,015	Kurita et al	11/30/99	
		6,032,570	Koike et al	3/7/2000	· JAA.
V		6,070,323	Koike et al	6/6/2000	1EC44 11 2 5
	ļ				JAN 25 201
					CEN FR.
					11/
		<del>                                     </del>			
				-	
					<u> </u>

	FOREIGN PATENT DOCUMENTS								
Examiner Cite No.1	0.11	For	eign Patent Do	ocument	Name of Patentee or Applicant of Cited Document	Date of Publication of	Pages, Columns, Lines,		
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> ( <i>if known</i> )				Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		-							
		-							
·-		<del> </del>	-						
		<u> </u>							
								-	

	_				
Examiner Signature	Han	ulhous	Date Considered	8/14/02	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark hee if English language Translation is attached.